
Multifrequency Compelled Signaling (LD 54)

Multifrequency Compelled Signaling (MFC) or Multifrequency Signaling (MFE) provides a handshaking facility between the SL-1 and the Central Office or Public Exchange (CO/PE) or between other PBXs over network/Tie trunks.

The format of an MFC message is MFCxxx MFCTN TRKTN X1-X5

Where:

MFCTN = MFC register TN (packed format)

TRKTN = Trunk TN of the CMFTN (packed format)

X1-X5 = the first six words of the unprotected MFC block for the unit used

MFC messages

MFC0000	Program 54 identifier.
MFC0001	Invalid input, number of characters in one field are greater than four (X08). Noisy pack H/W (X11).
MFC0002	Invalid input (datatype) (X08). Large twist (hardware) (X11).
MFC0003	Invalid input, command field unknown (X08). Three frequencies (hardware) (X11).
MFC0004	Invalid input, too many parameters (X08). No interdigit pause (hardware) (X11).
MFC0005	Last command is still in progress (X08). Invalid decision (hardware) (X11).

MFC

MFC0006	Invalid TN (X08). MFC pack firmware fault (hardware) (X11).
MFC0007	Invalid DOD trunk (X08). Undefined error (hardware) (X11).
MFC0008	Trunk is busy or disabled (X08). Software timeout (software) (X11).
MFC0009	Invalid TN. Shelf out-of-range (0 to 3) (X08). Not ready to send (software) (X11).
MFC0010	Invalid TN. Card out-of-range (1 to 10) (X08). Undefined function/signal (software) (X11).
MFC0011	Invalid Set TN (X08). MFC table not defined (software) (X11).
MFC0012	Defined set is busy or disabled (X08). Invalid backward (BWD) signal received; call cleared down (software) (X11).
MFC0013	Invalid signaling type (X08). Invalid FWD signal received; call cleared down (software) (X11).
MFC0014	Signaling type not defined (X08).
MFC0015	Signaling type already defined (X08). Invalid TRKTYPE attempting MFC signaling (software) (X11).
MFC0016	Command not valid for MFE signaling (X08).
MFC0017	Trunk busy, DSI timing (X08).
MFC0018	Use loop and channel for digital loop TN (X08).
MFC0019	Invalid digital loop TN (X08).
MFC0020	No MFC incoming table defined for route (software) (X11).
MFC0021	No MFC outgoing table defined for route (software) (X11).